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1. A system comprising:
- a first light source configured to provide a signal for use in imaging tissue when the first light source is incident upon a first portion of the tissue;
- a second light source configured to coagulate the tissue when the second light source is incident upon a second portion of the tissue; and
- a third light source configured to break molecular bonds of the tissue when the third light source is incident upon a third portion of the tissue, wherein the second light source is configured to emit energy at an amplitude and frequency sufficient to modify at least quaternary structure of tissue proteins in blood vessels without completely breaking a majority of the molecular bonds of the tissue, wherein:
- the first light source comprises an optical coherence tomography light source;
- wherein the second light source is configured to emit energy at a wavelength in a range of 350 nm to 2200 nm;
- wherein the third light source is a tunable semiconductor laser seeded fiber amplified source configured to emit energy at wavelength in a range of 1800 nm to 2200 nm;